**⊞ Table 1-9**    **Highest-level science course enrollment of students in grade 11, by student and family characteristics: 2012**

(Percentage distribution)

| Student and family characteristic | No science | General, basic, earth/environmental, physical science | Biology 1 | Chemistry 1 or physics 1 | Advanced science[a] |
|---|---|---|---|---|---|
| All students | 19.9 | 8.6 | 10.6 | 40.8 | 20.1 |
| Sex | | | | | |
|     Male | 21.1 | 9.9 | 11.3 | 39.6 | 18.2 |
|     Female | 18.7 | 7.3 | 9.9 | 42.1 | 22.0 |
| Race or ethnicity | | | | | |
|     White | 18.4 | 8.7 | 9.4 | 41.9 | 21.7 |
|     Black | 23.7 | 9.2 | 11.6 | 40.8 | 14.8 |
|     Hispanic[b] | 22.2 | 8.2 | 12.7 | 39.8 | 17.1 |
|     Asian | 8.6 | 3.8 | 7.1 | 43.2 | 37.3 |
|     Other | 22.2 | 10.9 | 12.5 | 36.0 | 18.5 |
| Parents' highest education[c] | | | | | |
|     Less than high school | 32.6 | 10.1 | 11.1 | 31.5 | 14.7 |
|     High school diploma or equivalent | 20.8 | 10.6 | 13.2 | 39.3 | 16.2 |
|     Associate's degree | 26.6 | 10.8 | 14.0 | 33.6 | 15.1 |
|     Bachelor's degree | 18.8 | 10.2 | 10.0 | 43.3 | 17.6 |
|     Master's degree or higher | 12.8 | 6.7 | 6.9 | 44.8 | 28.9 |
| Highest science course in grade 9 | | | | | |
|     No science | 33.0 | 10.1 | 13.1 | 29.8 | 14.0 |
|     General science | 19.6 | 9.5 | 18.7 | 37.7 | 14.5 |
|     Earth/environmental/physical science | 18.1 | 9.4 | 9.7 | 46.2 | 16.7 |

| Student and family characteristic | No science | General, basic, earth/environmental, physical science | Biology 1 | Chemistry 1 or physics 1 | Advanced science[a] |
|---|---|---|---|---|---|
| Biology 1 | 15.5 | 8.0 | 8.2 | 43.0 | 25.2 |
| Above biology 1 | 16.7 | 3.6 | 17.5 | 36.5 | 25.7 |
| Students' educational expectations in grade 9 | | | | | |
| High school or less | 29.1 | 12.0 | 17.1 | 28.6 | 13.3 |
| Some college | 22.7 | 12.8 | 11.1 | 38.8 | 14.6 |
| Bachelor's degree | 17.9 | 7.2 | 8.7 | 47.2 | 19.0 |
| Graduate/professional degree | 15.9 | 6.1 | 7.7 | 44.0 | 26.3 |
| Don't know | 21.6 | 11.1 | 13.1 | 38.8 | 15.4 |
| Control of school in grade 12 | | | | | |
| Public | 20.1 | 8.8 | 10.8 | 40.4 | 19.8 |
| Private | 7.5 | 4.5 | 6.3 | 55.2 | 26.5 |
| Socioeconomic status in grade 12[d] | | | | | |
| Lowest fifth | 25.9 | 9.7 | 14.6 | 34.6 | 15.1 |
| Middle three-fifths | 20.5 | 9.3 | 10.8 | 41.1 | 18.3 |
| Highest fifth | 12.8 | 5.6 | 6.4 | 45.6 | 29.7 |

[a] Includes biology 2, chemistry 2, physics 2, and other advanced science.

[b] Hispanic may be any race. Asian, black or African American, white, and other races refer to individuals who are not of Hispanic origin.

[c] The highest level of education achieved by either parent.

[d] Socioeconomic status (SES) is a composite variable derived from parental education level, parental occupation, and family income. The quintile measure divides the SES distribution into five equal quintile groups. Quintile 1 corresponds to the lowest one-fifth of the population, and quintile 5 corresponds to the highest. For this report, the middle three quintiles are combined into one category.

NOTE: Percentages may not add to total because of rounding.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2014) of High School Longitudinal Study of 2009 (HSLS:09), National Center for Education Statistics. See appendix table 1-10.

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